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UNIT OVERVIEW: Scholars will be able to understand and explain the difference between technology and nature. Scholars will learn the multiple areas of technology and learn the resources which are used in the design and development of technology.

STAGE ONE: Identify Desired Results

Established Goals/Standards	Long-Term Transfer Goal	
	<i>At the end of this unit, Scholars will use what they have learned to independently...</i>	
	<ul style="list-style-type: none"> • Access the RCSD computer network and save files to their H: drive. • Create and design a PowerPoint Presentation. • Create and develop a word document, using Microsoft Word. 	
	Meaning	
	<p>Enduring Understandings <i>Scholars will understand that...</i></p> <ul style="list-style-type: none"> • Technology is not only limited to the digital world, but Technology is also everything else that is designed and created by humans. • Technology branches into 7 different areas: Agricultural and Biotechnology, Information and Communications, Energy and Power, Medical, Construction, Transportation and Manufacturing • In order to design and create technology, 7 resources are needed in the planning and production. 	<p>Essential Questions <i>Scholars will consider such questions as...</i></p> <ul style="list-style-type: none"> • What is technology? What is not technology? Give examples. • How is farming fruits and vegetables, technology? Which resources does Apple Inc. use to design and develop the iPhone 7?
Acquisition		
<p><i>What knowledge will Scholars learn as part of this unit?</i></p> <p><i>Scholars will know:</i></p> <ul style="list-style-type: none"> • Technology are all things that are designed and created by humans. • Agricultural and Biotechnology uses devices and systems to plant, grow, and harvest crops. 	<p><i>What skills will Scholars learn as part of this unit?</i></p> <ul style="list-style-type: none"> • Log into their RCSD scholar account. • Save/Open files using the scholar H: drive. • Create a poster regarding computer lab rules and expectations. • Present and explain a poster regarding computer lab rules and expectations. • Explain the difference between nature and technology. 	

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		<ul style="list-style-type: none"> • Information and Communication Technology uses devices and systems to gather, process, share information, and share ideas. • Energy and Power Technology uses devices and systems to convert, transmit, or process energy. • Medical Technology uses devices and systems to promote health and cure illness. • Construction Technology uses systems and processes to put structures on the sites where they will be used. • Transportation Technology uses devices and systems to move people and cargo from an origin point to a destination. • Manufacturing Technology uses devices, systems and processes to convert materials into products in a factory. • Specific Resources are used in the design and development of technology. 	<ul style="list-style-type: none"> • Explain and identify the 7 areas of technology. • Explain and identify the 7 resources of technology. • Create a word document using Microsoft Word. • Create a PowerPoint presentation.
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STAGE TWO: Determine Acceptable Evidence

Assessment Evidence	
<p>Criteria to assess understanding: <i>(This is used to build the scoring tool.)</i></p> <ul style="list-style-type: none"> - Identify - Explain - Define - Compare - Illustrate - Evaluate 	<p>Performance Task focused on Transfer:</p> <p>7 Areas of Technology PowerPoint</p> <p>Scholars will learn that there is more to technology that just the electronic world. Scholars will be exposed to other areas of technology and its effects on people, society, careers and the environment. Scholars will use PowerPoint to develop this project.</p> <ul style="list-style-type: none"> • Goal – to teach scholars the multiple areas of technology, while teaching them Microsoft PowerPoint. • Role – to be able to be skilled in using Microsoft PowerPoint and creating presentation documents. • Audience – will be presented to their classmates, and/or a panel of educators.

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- Create	<ul style="list-style-type: none">• Situation – Student will be responsible for researching and gathering information and images on the 7 Areas of Technology. After the research is complete, they will create a PowerPoint defining, explaining, and illustration each area of technology.• Product - The product will be a 9 slide PowerPoint file. They will present their PowerPoint to their classmates and/or educators with the expectation that they will receive feedback and will then need to make any necessary changes to the final product.
	<p>Other Assessment Evidence:</p> <ul style="list-style-type: none">- Graphical Organizer – Forms of Data- Vocabulary Quiz(es)

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T, M, A	STAGE THREE: Plan Learning Experiences	
A	Learning Events: 1. Learning Target and Do Now - What do we know and why do we need to know it? To hook students into considering the vast amount of information available to them.	Evidence of learning: <i>(formative assessments)</i>
A	2. Introduce the goals for enduring understanding and the unit performance tasks.	- Observation
A/M	3. Key vocabulary terms will be introduced as needed for the various activities and performance tasks.	- Questioning
M/T	4. Present concepts on: Technology, Needs, Wants, Positive and Negative Impacts of Technology and 7 Areas of Technology.	- Thumbs-Up, Thumbs-Down
M/T	5. Scholars will learn how to create, save and open a PowerPoint file.	- Turn and Talk
M/T	6. Scholars will learn how to create a title slide with slide design.	- Discussions
M/T	7. Scholars will research each area of technology and create a slide for each area.	- Think-Pair-Share
M/T	8. Scholars will conclude their research with a conclusion slide.	- Ticket out the door
M/T	9. Scholars present their presentation to peers and/or school staff.	
M	10. Scholars will take on-line Study Stack quiz at the end of the project.	